

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 02-226996

(43)Date of publication of application : 10.09.1990

(51)Int.Cl.

H04R 17/00

G04D 1/00

H01L 41/24

(21)Application number : 01-047740

(71)Applicant : SEIKO INSTR INC

(22)Date of filing : 28.02.1989

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(54) PIEZOELECTRIC ELEMENT ADHERING DEVICE AND PIEZOELECTRIC ELEMENT ADHERING METHOD

(57)Abstract:

PURPOSE: To prevent a damaged piezoelectric element and defect of operation of a vibrating body due to uneven adhesion by placing the piezoelectric element on a vibration body via an adhesives, placing a press frame onto the piezoelectric element and pressing and supporting the middle part of the frame with a projection of a pressing seat via a constant pressing force of a pressing spring.

CONSTITUTION: A piezoelectric element 4 having a center hole is placed on an upper face of a vibrating body via an adhesives while the center hole is aligned to a vibrator pin 3a. A pressing sheet 5 made of a synthetic resin is screwed to the lower part of a push frame 11 to protect the piezoelectric element 4. The pressing sheet 5 is provided to press the piezoelectric element 4 onto the vibrator 3 via the adhesives inbetween and the pressing is implemented by the push frame 11 whose upper part is depressed by a projection made of a spherical body. Thus, the pressing is applied uniformly with well parallelism. Moreover, the relation of the screwed quantity of the pressing screw 22 and the pressing force of the piezoelectric element 4 onto the vibrator 3 by the push frame 11 is measured in advance. Thus, the adjustment quantity of the pressing force is decided.

